

## Appendix B

\*\*\*\*\* SEE ORCAD DRAWING PANEL.DSN \*\*\*\*\*

'GP0/ANO = PCT  
'GP1 =  
'GP2 = PWM OUT  
'GP3 = INPUT ONLY!!  
'GP4 =  
'GP5 =

\*\*\*\*\*  
'\*  
'\* ENVIRONMENT \*  
'\*  
'\*\*\*\*\*

DEFINE I2C\_INTERNAL 1

\*\*\*\*\*  
'\*  
'\* VARIABLES \*  
'\*  
'\*\*\*\*\*

M VAR BYTE  
N VAR BYTE  
X VAR BYTE  
Y VAR BYTE

X2 VAR WORD  
Y2 VAR WORD

TEMP VAR WORD

OSCCOR VAR BYTE

RADDR VAR BYTE

HIVAL VAR WORD BANK0  
LOVAL VAR WORD BANK0  
TMRX VAR BYTE BANK0  
MISCF VAR BYTE BANK0

ssave VAR BYTE BANK0 SYSTEM  
wsave VAR BYTE \$20 SYSTEM  
'wsave1 VAR BYTE \$A0 SYSTEM

\*\*\*\*\*  
'\*  
'\* START OF PROGRAM \*  
'\*  
'\*\*\*\*\*

' THIS GOTO GETS US PAST THE INTERRUPT HANDLER  
GOTO START

DEFINE INTHAND ISERV

ASM

ISERV

;must start with a context save  
movwf wsave ; Save the W register  
swapf STATUS, w  
clrf STATUS ; Point to bank 0